

PEGASUS PROJECT, SAN BERNARDINO COUNTY, CALIFORNIA

Biological Assessment

April 16, 2001

**Prepared for
Pegasus Power Partners, LLC**

**Prepared by
Black & Veatch Corporation**

EXECUTIVE SUMMARY

A biological assessment was prepared for the Pegasus Power Partners, LLC's (Pegasus) Pegasus Project plant site and associated linear facilities (transmission line and gas pipeline). The results of that assessment indicated that the project will have negligible impacts on the biological resources found on the project site or in the project vicinity. Due to the extremely disturbed environment present, further surveys or other studies of biological resources do not appear warranted.

1.0 INTRODUCTION

Pegasus is planning to develop a natural gas fired power generating facility in Chino, San Bernardino County, California. The Pegasus Project will include four simple cycle combustion turbines rated at a total nominal capacity of 180 MW. The first unit is planned to be online by September 30, 2001, as required under the California Energy Commission's (CEC) emergency permitting rules. The remaining units will be brought online during the following months. The facility will be subsequently converted to a combined cycle configuration. The project site is located on a 15 acre tract of land on the south side of Eucalyptus Avenue 0.5 mile west of Euclid Avenue (Figure 1). The site is adjacent to the west side of an existing power generation facility owned by Delta Power Company. Linear facilities will include 1) a transmission line running east of the site to Magnolia Avenue to an existing transmission line and 2) a 0.25 mile buried natural gas pipeline running to the west to Central Avenue.

This document has been prepared to discuss the findings of a biological survey that was conducted on April 10, 2001.

Figure 1 is included as Attachment 10B

2.0 MATERIALS AND METHODS

The biological resources of the project land and surrounding vicinity is based on a data/literature search and field assessment as discussed below.

2.1 Data/Literature Search

The US Fish and Wildlife Service, the California Department of Fish and Game, and the California Natural Diversity Database were consulted regarding records of endangered, threatened and/or sensitive species and habitats in the project region (see Appendix 1 of this report). The database search was centered on the Prado Dam Quad. The search does not reflect what is on the proposed project land but rather what has been historically observed in the region. The findings of that search are listed in Table 2-1 and the actual printouts are included in Appendix 2 of this report.

Table 2-1		
List of Species/Habitats in the Prado Dam Quad (CA) Region according to the California Natural Diversity Database (for details see Appendix 2)		
Element	List Status	Habitat Comments
Animals		
Golden Eagle <i>Aquila chrysaetos</i>	Federal: none State: none CDFG: Special Concern	Rolling foothill or coast-range terrain
Long-eared Owl <i>Asio otus</i>	Federal: none State: none CDFG: Special Concern	Riparian bottoms
Burrowing Owl <i>Athene cunicularia</i>	Federal: none State: none CDFG: Special Concern	Open, dry annual or perennial grasslands, deserts, scrublands
Orange-throated Whiptail <i>Cnemidophorus hyperythrus</i>	Federal: none State: none CDFG: Special Concern	Low elevation coastal scrub, chaparral, and valley-foothill hardwood habitats
Western Yellow-billed Cuckoo <i>Coccyzus americanus</i> <i>Occidentalis</i>	Federal: none State: Endangered CDFG: ---	Riparian forests, flood-bottoms along larger river systems
Willow Flycatcher <i>Empidonax traillii</i>	Federal: none State: Endangered CDFG: ---	Extensive, dense willow thickets
Yellow-breasted Chat <i>Icteria virens</i>	Federal: none State: none CDFG: Special Concern	Riparian thickets of willows near watercourses
Coastal California Gnatcatcher <i>Poliophtila californica</i> <i>Californica</i>	Federal: Threatened State: ---- CDFG: Special Concern	Obligate of coastal sage scrub below 2,500 ft.
Least Bell's Vireo <i>Vireo bellii pusillus</i>	Federal: Endangered State: Endangered CDFG: ----	Low riparian growth near water or in dry river bottoms
Santa Ana Sucker <i>Catostomus santaanae</i>	Federal: Threatened State: ----	Endemic to Los Angeles Basin south coastal streams

	CDFG: Special Concern	
Southwestern Pond Turtle <i>Clemmys marmorata pallica</i>	Federal: None State: None CDFG: Special Concern	Permanent or nearly permanent bodies of water
Plants		
Chaparral Sand-Verbena <i>Abronia villosa var. aurita</i>	Federal: none State: none CNPS List: 1A	Local uncertain but probably Santa Ana Canyon
Coulter's Saltbrush <i>Atriplex coulteri</i>	Federal: none State: none CNPS List: 1B	Damp pasture
Intermediate mariposa Lily <i>Calochortus weedii</i> <i>var. intrmedius</i>	Federal: none State: none CNPS List: 1B	Santa Ana Canyon, open, sandy gravelly sites
Many-stemmed Dudleya <i>Dudleya multicaulis</i>	Federal: none State: none CNPS List: 1B	Mostly thin soil in marine sediments, exposed
Santa Ana River Woollystar <i>Eriastrum densifolium</i>	Federal: none State: none CNPS List: 1B	Coastal scrub, chaparral
Habitats		
Southern California Arroyo Chub/ Santa Ana Sucker Streams	Federal: none State: none CDFG: none	No such habitat found near the project site
Southern Cottowood Willow Riparian Forest	Federal: none State: none CDFG: none	No such habitat found near the project site
Southern Sycamore Alder Riparian Woodland	Federal: none State: none CDFG: none	No such habitat found near the project site
Southern Willow Scrub	Federal: none State: none CDFG: none	No such habitat found near the project site
California Walnut Woodland	Federal: none State: none CDFG: none	No such habitat found near the project site

2.2 Field Survey

A pedestrian survey was conducted on the project site, including the gas pipeline and transmission line corridors, on April 10, 2001. The survey considered the vegetation present, potential wildlife and habitat, and special habitats, such as wetlands (including all areas that would be regulated by the US Army Corps of Engineers under the Clean Water Act), riparian corridors, etc.

3.0 RESULTS

3.1 Site Conditions

The project lands are flat with no topographic changes. The elevation of the area is approximately 635 feet above mean sea level and regional drainage is generally to the south. The soil is sandy loam and appears to be well drained.

3.2 Literature Search

The information received from the California Natural Diversity Database (Appendix 2) contained no records from the project land (including linear corridors). The records centered on localities found in the surrounding foothills or along riparian corridors rather than in the flat valley where the project is situated. The nearest localities appear to be between 7-10 miles away from the project in starkly contrasting environments from those existing at the project site.

3.3 Land Use

The project site is located within the secured boundaries of the Chino California Institution for Men. The proposed plant site includes approximately 151 acres of which the east half is an abandoned nursery and the west half is a cultivated field. The gas pipeline is routed to the west of the plant across a cultivated field and an open, severely disturbed, weedy lot. The transmission line corridor runs east of the plant site and crosses open, weedy land that appears to be fallow agricultural land.

3.4 Vegetation

The vegetation throughout the project area and surrounding vicinity is representative of severely disturbed urban lands. Non-native annual herbaceous species dominate, including members of genera such as *Hordeum* (barley), *Brassica* (mustard), *Bromus* (brome), and *Lepidium* (pepperwort mustard). The perennial windmill grass (*Chloris virgata*) and Bermuda grass (*Cynodon dactylon*) are also common. The east half of the plant site is an abandoned nursery where some gravel, sand, and mulch is stored. A few trees, mostly ash (*Fraxinus*) and poplars (*Populus*), are present, as well as scattered shrubs, mostly escaped roses.

No state or federal protected species were observed. This is not unusual, however, since these would not be expected to occur in the area due to the severely disturbed conditions that result in a lack of appropriate habitat for such occurrences.

3.5 Wetlands and Other Special Habitats

No wetlands (vernal pools, marshes, etc.) or any other type of special habitats, aquatic or terrestrial, occur on project lands.

3.6 Wildlife

The project lands provide minimal, if any, wildlife habitat. No evidence was observed of burrows or nests. The only organisms observed included one American Crow, a soaring Redtail Hawk, a domestic rooster, and one domestic cat.

No state or federal protected wildlife was observed and there appears to be no potential for such an occurrence due to a lack of appropriate habitat.

4.0 DISCUSSION

Based on the field observations and literature searches conducted for this assessment, no significant impacts to local biological resources are anticipated from the proposed project. No endangered, threatened, or otherwise protected wildlife or special habitats occur on project land or in close proximity to the project. All activities are limited to lands that have been severely disturbed in the past. In addition, adjacent lands are of similar character or in some instances, occupied by businesses, agricultural activities, or urban dwellings.

5.0 LITERATURE REVIEWED

- Behler, J. L. and F. W. King. *National Audubon Society Field Guide to North American Reptiles and Amphians*. Chanticleer Press, Inc., New York.
- Burt, W. H. 1986. *A Field Guide to the Mammals in North America North of Mexico*. Houghton-Mifflin Company, Boston, Massachusetts.
- California Department of Fish and Game. December 1983 (revised May 2000). *Guidelines for Assessing the Effects of Proposed Projects on Rare, Threatened, and Endangered Plants and Natural Communities*.
- California Department of Fish and Game. February 1999. *List of California Terrestrial Natural Communities Recognized by the California Natural Diversity Database*.
- California Department of Fish and Game. January 2001. *Special Animals*.
- California Department of Fish and Game. January 2001. *Special Vascular Plants, Bryophytes, and Lichens List*.
- California Department of Fish and Game. April 2001. *State and Federally Threatened Animals of California*.
- California Department of Fish and Game. January 2001. *State and Federally Listed Endangered, Threatened, and Rare Plants of California*.
- California Department of Fish and Game Natural Diversity Database. 2001.
- California Native Plant Society Rare Plant Scientific Advisory Committee. February 1991 (revised April 1998). *Mitigation Guidelines Regarding Impact to Rare, Threatened, and Endangered Plants*.
- Farrand, Jr., J. 1988. *Western Birds, an Audubon Book*. McGraw-Hill Book Company, New York.
- Hickman, J. C., ed. 1993. *The Jepson Manual: Higher Plants of California*. University of California Press, Berkeley, California.
- Stebbins, R. C. 1985. *A Field Guide to Western Reptiles and Amphibians*. Houghton-Mifflin Company, Boston, Massachusetts.

Appendix 1

Notification of Agencies

Appendix 2

California Natural Diversity Database Printout

Appendix 1

Notification of Agencies



BLACK & VEATCH

4004 Kruse Way Place
Suite 200
Lake Oswego, OR 97035

Black & Veatch Corporation

Tel: (503) 699-7556
Fax: (503) 697-3699

April 6, 2001

United States Fish and Wildlife Service
Ventura Office
2493 Portola Road, Suite B
Ventura, CA 93003-7726

Ladies/Gentlemen:

Delta Power Company, LLC (Delta) is planning to develop a natural gas fired power generating facility in Chino, San Bernardino County, California. The Chino Power Plant will include four simple cycle combustion turbines rated at a total nominal capacity of 180 MW. The first unit is planned to be online by September 30, 2001, as required under the California Energy Commission's (CEC) emergency permitting rules. The remaining units will be brought online during the following months. The facility will be subsequently converted to a combined cycle configuration.

Black & Veatch is providing permitting assistance to Delta and has begun the process of preparing applications for submittal to the CEC. One requirement of the application process is to demonstrate compliance with the federal and California protected species/habitat legislation in proximity to the proposed facility. As such, we would appreciate your providing us with any information your agency has regarding these topics or comments or concerns for the locality. I have enclosed a locator map for the proposed facility. Since the site is in an urban area we do not anticipate impacts to these resources but we do want to insure that your agency has an opportunity to comment. We have requested a list of known protected resources in the vicinity from the California Natural Diversity Database and will have the site inspected by a qualified biologist.

As the project is utilizing the 21-day Emergency Permitting Process for the facility your cooperation and immediate attention to this matter will be much appreciated. Thank you in advance of your attention to this matter. Please contact me at 503-675-3169 if you have any questions regarding this request.

Very truly yours,

BLACK & VEATCH CORPORATION

Ralph E. Brooks, Ph.D.
Senior Environmental Scientist

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cc: D Timpe (file)



BLACK & VEATCH

4004 Kruse Way Place
Suite 200
Lake Oswego, OR 97035

Black & Veatch Corporation

Tel: (503) 699-7556
Fax: (503) 697-3699

April 6, 2001

California Fish and Game (Region 6)
330 Golden Shore, Suite 250
Long Beach, CA 90802

Attn: Curt Taucher, Regional Manager

Dear Mr. Taucher:

Delta Power Company, LLC (Delta) is planning to develop a natural gas fired power generating facility in Chino, San Bernardino County, California. The Chino Power Plant will include four simple cycle combustion turbines rated at a total nominal capacity of 180 MW. The first unit is planned to be online by September 30, 2001, as required under the California Energy Commission's (CEC) emergency permitting rules. The remaining units will be brought online during the following months. The facility will be subsequently converted to a combined cycle configuration.

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Very truly yours,

BLACK & VEATCH CORPORATION

Ralph E. Brooks, Ph.D.
Senior Environmental Scientist

reb

cc: D Timpe (file)

Appendix 2

California Natural Diversity Database Printout



DEPARTMENT OF FISH AND GAME

<http://www.dfg.ca.gov>
1416 Ninth Street
Sacramento, CA 95814



(916) 324-3812

*Rec'd
3/14/2001
RST*

April 6, 2001

Mr. Ralph Brooks
Black & Veatch
4004 Kruse Way Place, Suite 200
Lake Oswego, Oregon 97035

Dear Mr. Brooks:

In response to your request on April 6, 2001, a search for occurrences of rare, threatened, endangered, and sensitive animals, plants, and natural communities has been completed by the California Natural Diversity Database (CNDDDB) for the following quadrangle(s): Prado Dam (text only).

Please refer to the enclosed documents for an explanation of the terms and information contained in this computerized report. You will be billed shortly for your order. All of our current CNDDDB lists are now available online at <http://www.dfg.ca.gov/whdab>.

NOTICE TO ALL USERS OF NATURAL DIVERSITY DATABASE INFORMATION

This report does not constitute official Department of Fish and Game environmental impact review of a project under the California Environmental Quality Act, National Environmental Policy Act, or other statutory or regulatory authority. Environmental impact review is carried out by other units in the Department. Even if the CNDDDB does not report an occurrence of special animals, plants, or natural communities in your project area, the Department may recommend that you conduct studies to determine or confirm their presence or absence, or to determine the impact of your proposed activity on these and other organisms and their habitats.

Although the CNDDDB inventory does not include other more common animals and plants, such as those that may be important for game, commercial, or aesthetic reasons, such species are of concern, and the law requires that they also be considered in an environmental assessment of any nonexempt project.

The CNDDDB also inventories both terrestrial and aquatic natural communities that are of extremely high quality, very limited distribution or threatened. These natural communities contain a rich heritage of native animals and plants that contribute significantly to the State's natural biotic diversity.

Conserving California's Wildlife Since 1870

Mr. Ralph Brooks
April 6, 2001
Page Two

The absence of a special animal, plant, or natural community from the report does not necessarily mean that they are absent from the area in question, only that no occurrence data are currently entered in the CNDDDB inventory. The occurrence of special species or natural communities in the vicinity of your project area may be an indication that they would also occur in your project area. It is the responsibility of the lead agency or project sponsor to provide adequate information as to whether a proposed project will affect fish and wildlife (including plants) and their habitats. We strongly recommend that field studies be conducted to complement the report(s).

The CNDDDB is the most complete single source of information on California's sensitive species and natural communities. Data on these and other elements of natural diversity are provided to the data base from a number of sources and entered into the inventory as expeditiously as possible. You can help this process by providing us with whatever new or more accurate data you may obtain from the studies you conduct.

We are pleased to provide you with this excellent source of endangered, threatened, rare and sensitive species information. If you have any questions or need assistance, call our Information Services unit at (916) 324-3812. For your convenience, this number is available 24 hours a day for voice mail messages. Thank you for your support of the CNDDDB.

Sincerely,



Karen Y. Bates, Info., Svcs., Tech.
California Natural Diversity Database
Wildlife Conservation Division
kbates@dfg.ca.gov

:kyb

Enclosures

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PRADO DAM

AQUILA CHRYSASTOS (NESTING AND WINTERING)

GOLDEN EAGLE

Element Code: ABNKC22010

-----List Status-----

Federal: None

State: None

-----NDDB Element Ranks-----

Global: G4

State: S3

-----Other Lists-----

CDFG Status: SC

-----Habitat Associations-----

General: ROLLING FOOTHILL OR COAST-RANGE TERRAIN, WHERE OPEN GRASSLAND TURNS TO SCATTERED OAKS, SYCAMORES, OR LARGE BIGGER PINES.

Micro: CLIFF-WALLED CANYONS PROVIDE NESTING HABITAT IN MOST PARTS OF RANGE; ALSO, LARGE TREES IN OPEN AREAS.

Occurrence No. 60 Map Index:33429 ---Dates Last Seen--- Lat/Long: 33°53'26" / 117°41'40" Township: 03S
Occ Rank: Good Element: 1996-05-01 UTM: Zone-11 N3750049 E435791 Range: 08W
Origin: Natural/Native occurrence Site: 1996-05-01 Precision: NON-SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POINT Meridian: S
Trend: Unknown Radius: 1/5 mile Elevation: 750 ft
Main Source: HUND, G. 1996 (OBS)
Quad Summary: PRADO DAM (3311786/087B)
County Summary: ORANGE, SAN BERNARDINO
SNA Summary:
Location: BRUSH CANYON, CHINO HILLS STATE PARK.
-----Comments-----
Distribution: NEST LOCATED ON A CLIFF FACE, ON THE SOUTH-FACING SLOPE OF A CANYON DRAINING INTO BRUSH CANYON.
Ecological: HABITAT CONSISTS OF MIXED COASTAL SAGE SCRUB AND GRASSLAND.
Threat: POSSIBLE THREATS INCLUDE HABITAT CONVERSION (DEVELOPMENT) OF FORAGING AREAS ON SURROUNDING PRIVATE LANDS.
General: 1 ADULT AND 2 NESTLINGS OBSERVED (NESTLINGS Banded BY BLOOM) ON 1 MAY 1996.
Owner/Manager: DPR-CHINO HILLS SP

Occurrence No. 63 Map Index:40989 ---Dates Last Seen--- Lat/Long: 33°56'55" / 117°43'01" Township: 02S
Occ Rank: Excellent Element: 1998-06-03 UTM: Zone-11 N3756521 E433733 Range: 08W
Origin: Natural/Native occurrence Site: 1998-06-03 Precision: NON-SPECIFIC Section: 33 Qtr SE
Presence: Presumed Extant Symbol Type: POINT Meridian: S
Trend: Unknown Radius: 1/5 mile Elevation: 1060 ft
Main Source: BLOOM, P. 1998 (OBS)
Quad Summary: PRADO DAM (3311786/087B)
County Summary: SAN BERNARDINO
SNA Summary:
Location: NORTH OF ALISO CANYON, IN THE CHINO HILLS, SOUTH OF LOS SERRANOS, CHINO.
-----Comments-----
Distribution: LOCATED WITHIN 100 YARDS OF THE CHINO HILLS STATE PARK BOUNDARY.
Ecological: HABITAT CONSISTS OF NON-NATIVE GRASSLAND, WITH SCATTERED OAKS/OAK WOODLAND.
Threat: THREATENED BY PROPOSED DEVELOPMENT.
General: 2 ADULTS AND ONE NESTLING OBSERVED (CHICK WAS Banded AND 1 EGG COLLECTED) ON 3 JUN 1998.
Owner/Manager: PVT

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PRADO DAM

COCCYZUS AMERICANUS OCCIDENTALIS (NESTING)
WESTERN YELLOW-BILLED CUCKOO
Element Code: ABNRB02022

—List Status—
Federal: None
State: Endangered

—NDDB Element Ranks—
Global: GST2T3
State: S1

—Other Lists—
CDFG Status:

—Habitat Associations—

General: RIPARIAN FOREST NESTER, ALONG THE BROAD, LOWER FLOOD-BOTTOMS OF LARGER RIVER SYSTEMS.

Micro: NESTS IN RIPARIAN JUNGLES OF WILLOW, OFTEN MIXED WITH COTTONWOODS, W/ LOWER STORY OF BLACKBERRY, NETTLES, OR WILD GRAPE.

Occurrence No. 36 Map Index: 03004 —Dates Last Seen— Lat/Long: 33°55'08" / 117°36'26" Township: 03S
Occ Rank: Unknown Element: 1989-09-XX UTM: Zone-11 N3753145 E443877 Range: 07W
Origin: Natural/Native occurrence Site: 1989-09-XX Precision: SPECIFIC Section: 10 Qtr NE
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 2,891.7 ac Elevation: 580 ft

Main Source: LAYMON, S. & M. HALTERMAN 1986 (OBS)
Quad Summary: CORONA NORTH (3311785/087A)*, PRADO DAM (3311786/087B)
County Summary: RIVERSIDE
SNA Summary: Upper Santa Ana River
Location: PRADO BASIN AND SANTA ANA RIVER U/S TO APPROX 0.75 MI BELOW HAMMER AVE CROSSING.

—Comments—
Distribution:
Ecological: HABITAT IS YOUNG TO MIDDLE-AGED WILLOW FOREST WITH OCCASIONALLY DENSE UNDERSTORY AND SOME DENSE STANDS OF GIANT REED; NO COTTONWOODS OBSERVED.
Threat: FLOOD CONTROL PROJECT PROPOSED.
General: SITE SA2 AND SA3 (GAINES, 1977). AT LEAST THREE BREEDING PAIRS AND ONE INDIVIDUAL OBSERVED IN SUMMER OF 1986. AT LEAST 1 BREEDING PR IN 1989.
Owner/Manager: DOD-COE, PVT, COUNTY

Occurrence No. 37 Map Index: 02966 —Dates Last Seen— Lat/Long: 33°54'07" / 117°38'23" Township: 03S
Occ Rank: Unknown Element: 1977-07-24 UTM: Zone-11 N3751274 E440853 Range: 07W
Origin: Natural/Native occurrence Site: 1977-07-24 Precision: NON-SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POINT Meridian: S
Trend: Unknown Radius: 1/5 mile Elevation: 475 ft

Main Source: GAINES, D. 1977 (LIT)
Quad Summary: PRADO DAM (3311786/087B)
County Summary: RIVERSIDE
SNA Summary: Upper Santa Ana River
Location: SANTA ANA RIVER PRADO FLOOD CONTROL BASIN, 0.9 MI N OF PRADO DAM.

—Comments—
Distribution:
Ecological: HABITAT IS CONTINUOUS WILLOW FOREST WITH AN UNDERSTORY OF BLACKBERRIES.
Threat:
General: SITE SA3 (GAINES, 1977). ONE CUCKOO OBSERVED BY GAINES, ET AL., IN 1977.
Owner/Manager: PVT

California Department of Fish and Game
Natural Diversity Data Base

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PRADO DAM

ATHENE CUNICULARIA (BURROW SITES)

BURROWING OWL

Element Code: ABNSB10010

-----List Status-----

Federal: None

State: None

-----NDDB Element Ranks-----

Global: G4

State: S2

-----Other Lists-----

CDFG Status: SC

-----Habitat Associations-----

General: FOUND IN OPEN, DRY ANNUAL OR PERENIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

Micro: SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

Occurrence No. 142 Map Index: 21526

Occ Rank: Fair

Origin: Natural/Native occurrence

Presence: Presumed Extant

Trend: Unknown

Main Source: BRAMLET, D. 1988 (OBS)

Quad Summary: PRADO DAM (3311786/087B)

County Summary: SAN BERNARDINO

SNA Summary:

Location: ALONG CHINO CREEK, JUST SE OF THE INTERSECTION OF MONTE VISTA AVENUE AND MERRILL AVENUE, WEST OF CHINO STATE PRISON.

-----Comments-----

Distribution: OWLS INHABIT "WEEP HOLES" ALONG THE CREEK BANK AND BURROWS ALONG THE ACCES ROAD.

Ecological: HABITAT CONSISTS OF A CONCRETE FLOOD CONTROL CHANNEL (CHINO CREEK), PARALLELED BY AN ACCESS ROAD.

Threat: THREATENED BY A PROPOSED SEWAGE TREATMENT FACILITY IMMEDIATELY ADJACENT TO THE FLOOD CONTROL CHANNEL.

General: 4 ACTIVE OWL BURROWS, WITH EVIDENCE OF LONG-TERM USE, AND 6 OWLS (INCLUDING 3 JUVENILES) OBSERVED DURING A 14 SEPTEMBER 1986 SURVEY. DURING A 30 JANUARY 1988 SURVEY, 3 ADULT OWLS WERE OBSERVED.

Owner/Manager: UNKNOWN

California Department of Fish and Game
Natural Diversity Data Base

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PRADO DAM

ASIO OTUS (NESTING)

LONG-EARED OWL

Element Code: ABNSB13010

-----List Status-----

Federal: None

State: None

-----NDDB Element Ranks-----

Global: G5

State: S3

-----Other Lists-----

CDFG Status: SC

-----Habitat Associations-----

General: FOUND IN RIPARIAN BOTTOMLANDS GROWN TO TALL WILLOWS AND COTTONWOODS; ALSO, BELTS OF LIVE OAK PARALLELING STREAM COURSES.
Micro: REQUIRE ADJACENT OPEN LAND PRODUCTIVE OF MICE AND THE PRESENCE OF OLD NESTS OF CROWS, HAWKS, OR MAGPIES FOR BREEDING.

Occurrence No. 16 Map Index: 02793

Occ Rank: Unknown

Origin: Natural/Native occurrence

Presence: Presumed Extant

Trend: Unknown

Main Source: BUREAU OF LAND MANAGEMENT 1980 (PERS)

Quad Summary: PRADO DAM (3311786/087B)*, YORBA LINDA (3311787/088A)

County Summary: SAN BERNARDINO

SNA Summary:

Location: 1.5 MI S OF N ENTRANCE TO CARBON CANYON.

Comments

Distribution:

Ecological:

Threat:

General: SBGM EGG SET #9150.

Owner/Manager: UNKNOWN

-----Dates Last Seen-----

Element: 1925-04-08

Site: 1925-04-08

Lat/Long: 33°57'28" / 117°44'23"

UTM: Zone-11 N3757526 E431652

Precision: NON-SPECIFIC

Symbol Type: POINT

Radius: 1 mile

Township: 02S

Range: 08W

Section: 32 Qtr N

Meridian: S

Elevation: 1050 ft

Full Condensed Report - Multiple Records per Page

PRADO DAM

EMPIDONAX TRILLII (NESTING)

WILLOW FLYCATCHER

Element Code: ABPAE33040

—List Status—
Federal: None
State: Endangered

—NDDB Element Ranks—
Global: G5
State: S1S2

—Other Lists—
CDFG Status:

—Habitat Associations—

General: INHABIT EXTENSIVE THICKETS OF LOW, DENSE WILLOWS ON EDGE OF WET MEADOWS, PONDS, OR BACKWATERS; 2000-8000 ELEV.
Micro: REQUIRE DENSE WILLOW THICKETS FOR NESTING/ROOSTING. LOW, EXPOSED BRANCHES ARE USED FOR SINGING POSTS/HUNTING PERCHES.

Occurrence No. 98 Map Index: 20250 —Dates Last Seen— Lat/Long: 33°54'47" / 117°37'20" Township: 03S
Occ Rank: Excellent Element: 1991-08-08 UTM: Zone-11 N3752483 E442467 Range: 07W
Origin: Natural/Native occurrence Site: 1991-08-08 Precision: NON-SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 150.6 ac Elevation: 500 ft
Main Source: HAYS, L. 1990 (OBS)
Quad Summary: CORONA NORTH (3311785/087A)*, PRADO DAM (3311786/087B)
County Summary: RIVERSIDE
SNA Summary: Upper Santa Ana River
Location: 0.5 MILE SECTION OF SANTA ANA RIV., NW OF CORONA AIRPRT, BEGIN. 2 MI SW OF S. A. RIVER-RIVER RD INTSCT., CONT.
NE 0.5 MI

—Comments—

Distribution: IN RIPARIAN WOODLAND ALONG SANTA ANA RIVER, BEGINNING 2 MI SW OF WHERE SANTA ANA RIVER MEETS RIVER ROAD AND CONTINUING 0.5 MI NE IN S.A. RIVER CHANNEL.
Ecological: DENSE SOUTHERN RIPARIAN SCRUB; DOMINANTS: BLACK WILLOW, ARROYO WILLOW, MULE FAT, COTTONWOODS, MUGWORT
Threat: HUNTING, SHOOTING RANGE NEARBY, OIL PRODUCTION, RECREATIONAL USE
General: FROM APR-SEP 1989 1 BREEDING PAIR & 2 OTHER BIRDS OBSERVED; SIGHTINGS FROM 3-15 TO 9-14 1990 TOTALED 5 ADULTS. BREEDING PAIRS OBSERVED BOTH YEARS. 1991 BREEDING CONFIRMED 8/8/91. HISTORIC SITE-BIRDS FOUND DURING SURVEYS DATING BACK TO 1977.
Owner/Manager: ORA COUNTY

California Department of Fish and Game
Natural Diversity Data Base

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PRADO DAM

POLIOPTILA CALIFORNICA CALIFORNICA
COASTAL CALIFORNIA GNATCATCHER
Element Code: ASPBJ08080

-----List Status-----	NCDB Element Ranks-----	Other Lists-----
Federal: Threatened	Global: G2T2	CDFG Status: SC
State: None	State: S2	

-----Habitat Associations-----

General: OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro: LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS & SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Occurrence No. 461	Map Index: 25986	-----Dates Last Seen-----	Lat/Long: 33°53'56" / 117°43'20"	Township: 03S
Occ Rank: Good		Element: 1993-12-25	UTM: Zone-11 N3750977 E433220	Range: 08W
Origin: Natural/Native occurrence		Site: 1993-12-25	Precision: SPECIFIC	Section: XX Qtr XX
Presence: Presumed Extant			Symbol Type: POINT	Meridian: S
Trend: Unknown			Radius: 80 meters	Elevation: 1480 ft
Main Source: COCHRANE, S. 1993 (OBS)				
Quad Summary: PRADO DAM (3311786/0878)				
County Summary: ORANGE				
SNA Summary:				
Location: EAST OF WIRE SPRINGS CANYON, IN THE CHINO HILLS, 4 MILES WEST OF PRADO DAM.				
Comments:				
Distribution: LOCATED IN A PATCH OF COASTAL SAGE SCRUB NEAR THE RIDGELINE.				
Ecological: HABITAT CONSISTS OF A PATCH OF COASTAL SAGE SCRUB, DOMINATED BY SALVIA MELLIFERA, ARTEMISIA CALIFORNICA, AND MALOSMA LAURINA.				
Threat: THREATS INCLUDE GRAZING (AREA WAS GRAZED IN 1993) AND POSSIBLE DEVELOPMENT.				
General: 1 INDIVIDUAL OBSERVED ON 25 DECEMBER 1993.				
Owner/Manager: PVT				

PRADO DAM

VIREO BELLII PUSILLUS (NESTING)

LEAST BELL'S VIREO

Element Code: ABPBW01114

—List Status—
Federal: Endangered
State: Endangered

—NDDB Element Ranks—
Global: GST2
State: S2

—Other Lists—
CDFG Status:

—Habitat Associations—

General: SUMMER RESIDENT OF SOUTHERN CALIF. INHABITS LOW RIPARIAN GROWTH IN VIC OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.
Micro: NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Occurrence No. 135 Map Index: 02957 —Dates Last Seen— Lat/Long: 33°52'57" / 117°38'49" Township: 03S
Occ Rank: Unknown Element: 1983-XX-XX UTM: Zone-11 N3749121 E440172 Range: 07W
Origin: Natural/Native occurrence Site: 1983-XX-XX Precision: NON-SPECIFIC Section: 30 Qtr NE
Presence: Presumed Extant Symbol Type: POINT Meridian: S
Trend: Unknown Radius: 1/5 mile Elevation: 450 ft
Main Source: U.S. FISH & WILDLIFE SERVICE 1983 (PERS)
Quad Summary: PRADO DAM (3311786/087B)
County Summary: RIVERSIDE
SNA Summary: Wardlow Wash
Location: SANTA ANA RIVER, APPROX 0.5 MI D/S FROM PRADO DAM.
—Comments—
Distribution:
Ecological:
Threat:
General: ONE VIREO OBSERVED IN 1983.
Owner/Manager: UNKNOWN

Occurrence No. 144 Map Index: 20656 —Dates Last Seen— Lat/Long: 33°55'05" / 117°37'20" Township: 03S
Occ Rank: Excellent Element: 1994-XX-XX UTM: Zone-11 N3753045 E442493 Range: 07W
Origin: Natural/Native occurrence Site: 1994-XX-XX Precision: SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Increasing Area: 2,370.7 ac Elevation: 500 ft
Main Source: PIKE, J. & L. HAYS 1991 (LIT)
Quad Summary: PRADO DAM (3311786/087B)*, CORONA NORTH (3311785/087A)
County Summary: RIVERSIDE, SAN BERNARDINO
SNA Summary: Upper Santa Ana River
Location: CHINO CREEK/PRADO FLOOD CONTROL BASIN.
—Comments—
Distribution: SECOND-LARGEST POPULATION IN THE U. S. MAJORITY OF VIREOS DETECTED SOUTH OF MCCARTY RD AND INTERSECTION OF HIGHWAYS 83 AND 71.
Ecological: SOUTHERN RIPARIAN SCRUB HABITAT; DOMINANTS: SALIX GOODINGII, BACCHARIS VIMINEA; ARROYO AND RED WILLOW, ARTEMISIA DOUGLASIANA. MOST NESTS IN WILLOW AND MULE FAT; IN 1991, 9 NESTS IN EUCALYPTUS SPP. DUE TO FLOODING OF SOME VIREO HOME RANGES.
Threat: COWBIRDS, FILLING/DUMPING, COWBIRD TRAP VANDALISM, EXOTICS (GIANT REED, CASTOR BEAN), AIRCRAFT NOISE, DDT, & FLOODING.
General: 1986: 58 VIREOS DETECTED (19 PRS & 20 FLEDGLINGS); 1987: 85 (20 PRS, 6 TERR MALES, 39 FLEDGS); 1988: 155 (30 PRS, 7 T MALES, 88 FLEDGS); 1989: 169 (31, 5, 102); 1990: 231 (42, 5, 142); 1991: 317 (64, 6, 183). 1994: DISPERSING MALE (JUV).
Owner/Manager: DOD-ARMY, ORA COUNTY

Occurrence No. 194 Map Index: 42886 —Dates Last Seen— Lat/Long: 33°56'29" / 117°41'16" Township: 03S
Occ Rank: Fair Element: 1999-05-13 UTM: Zone-11 N3755683 E436438 Range: 08W
Origin: Natural/Native occurrence Site: 1999-05-13 Precision: NON-SPECIFIC Section: 02 Qtr NE
Presence: Presumed Extant Symbol Type: POINT Meridian: S
Trend: Unknown Radius: 1/10 mile Elevation: 764 ft
Main Source: CAMPBELL & CAMPBELL 1999 (OBS)
Quad Summary: PRADO DAM (3311786/087B)
County Summary: SAN BERNARDINO
SNA Summary:
Location: 0.1 MILE NW OF DRILL HOLE & POWER LINE, 1.5 MILES NE OF ROLLING M RANCH, 1.2 MILES WSW OF POMONA RINCON RD & PINE AVE.
—Comments—
Distribution: ~2 MILES SOUTH OF LOS SERRANOS RD AND HIGHWAY 71, CHINO HILLS. LAND OWNED BY PARENTEX, MAPPED TO LAT/LONG COORDINATES GIVEN.
Ecological: SOUTHERN WILLOW SCRUB DOMINATED BY SALIX LASIOLEPSIS, S. EXIGNA, S. LAEVIGATA, SAPLINGS OF S. GOODINGII, BACCHARIS SALICIFOLIA
Threat: ON GOING CATTLE GRAZING, PROPOSED FOR DEVELOPMENT
General: 5 OBSERVED (3 ADULTS & 2 JUVENILES) 13 MAY 1999.
Owner/Manager: PVT

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PRADO DAM

VIREO BELLII PUSILLUS (NESTING) (cont.)

LEAST BELL'S VIREO

Element Code: ABFW01114

-----List Status-----	-----NDDB Element Ranks-----	-----Other Lists-----
Federal: Endangered	Global: G5T2	CDFG Status:
State: Endangered	State: S2	

Occurrence No. 195 Map Index: 42887 ---Dates Last Seen--- Lat/Long: 33°56'28" / 117°40'36" Township: 03S
 Occ Rank: Good Element: 1999-04-22 UTM: Zone-11 N3755647 E437446 Range: 08W
 Origin: Natural/Native occurrence Site: 1999-04-22 Precision: NON-SPECIFIC Section: 01 Qtr NW
 Presence: Presumed Extant Symbol Type: POINT Meridian: S
 Trend: Unknown Radius: 1/10 mile Elevation: 600 ft
 Main Source: CAMPBELL & CAMPBELL 1999 (OBS)
 Quad Summary: PRADO DAM (3311786/087B)
 County Summary: SAN BERNARDINO
 SNA Summary:
 Location: 0.1 MILE E OF GRAVEL PIT, 2 MILES NE OF ROLLING M RANCH, 1 MILE SW OF POMONA RINCON RD & PINE AVE, S OF CHINO.
 Comments:
 Distribution: ~2.3 MILES SSE OF LOS SERRANOS RD AND HIGHWAY 71, CHINO HILLS. LAND OWNED BY PARENTEX, MAPPED TO LAT/LONG COORDINATES GIVEN.
 Ecological: SOUTHERN COTTONWOOD RIPARIAN FOREST DOMINATED BY POPULUS FREMONTII, SALIX LASIOLEPSIS, S. LAEVIGATA, S. GOODDINGII, BACCHARIS SALICIFOLIA
 Threat: ON GOING CATTLE GRAZING, PROPOSED FOR DEVELOPMENT
 General: 3 ADULTS OBSERVED (NESTING AND BREEDING).
 Owner/Manager: PVT

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PRADO DAM

ICTERIA VIRENS (NESTING)

YELLOW-BREASTED CHAT

Element Code: ABPBX24010

-----List Status-----

Federal: None

State: None

-----NDDB Element Ranks-----

Global: G5

State: S3

-----Other Lists-----

CDFG Status: SC

-----Habitat Associations-----

General: SUMMER RESIDENT; INHABITS RIPARIAN THICKETS OF WILLOW AND OTHER BRUSHY TANGLES NEAR WATERCOURSES.

Micro: NESTS IN LOW, DENSE RIPARIAN, CONSISTING OF WILLOW, BLACKBERRY, WILD GRAPE; FORAGE AND NEST W/IN 10 FT OF GROUND.

Occurrence No. 30 Map Index:03004

Occ Rank: Excellent

Origin: Natural/Native occurrence

Presence: Presumed Extant

Trend: Unknown

Main Source: GAINES, D. 1977 (LIT)

Quad Summary: CORONA NORTH (3311785/087A)*, PRADO DAM (3311786/087B)

County Summary: RIVERSIDE

SNA Summary: Upper Santa Ana River

Location: SANTA ANA RIVER, 1 MILE ABOVE TO 0.3 MILE BELOW RIVER ROAD, PRADO COUNTY PARK AND PRADO FLOOD CONTROL BASIN.

-----Comments-----

Distribution: HABITAT PREFERENCE IS LOW DENSE RIPARIAN GROWTH CONSISTING MOSTLY OF WILLOW THICKETS, TANGLES OF TALL WEEDS & BLACKBERRY VINES & GRAPEVINES ALONG STREAM BANKS.

Ecological: HABITAT IS YOUNG TO MIDDLE-AGED WILLOW FOREST WITH OCCASIONALLY DENSE UNDERSTORY AND SOME DENSE STANDS OF GIANT REED; NO COTTONWOODS OBSERVED.

Threat: SAND MINING, ARUNDO DONAX, BROWN-HEADED COWBIRDS.

General: BIOLOGICAL MONITORING OF THE AREA AROUND ARCHIBALD RD HAS BEEN ONGOING SINCE 1996. APPROXIMATELY 7 PAIRS NESTING ABOUT 1 MILE SOUTH OF ARCHIBALD RD.

Owner/Manager: CRA-W.DIST, RIV-PARKS, DOD-COE

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PRADO DAM

CATOSTOMUS SANTAANAE

SANTA ANA SUCKER

Element Code: APCJC02190

-----List Status-----
Federal: Threatened
State: None

-----NDDB Element Ranks-----
Global: G1
State: S1

-----Other Lists-----
CDFG Status: SC

-----Habitat Associations-----

General: ENDEMIC TO LOS ANGELES BASIN SOUTH COASTAL STREAMS.

Micro: HABITAT GENERALISTS, BUT PREFER SAND-RUBBLE-BOULDER BOTTOMS, COOL, CLEAR WATER, & ALGAE.

Occurrence No. 29 Map Index: 43785 ---Dates Last Seen--- Lat/Long: 33°52'56" / 117°38'52" Township: 03S
Occ Rank: Good Element: 2000-07-14 UTM: Zone-11 N3749109 E440079 Range: 07W
Origin: Natural/Native occurrence Site: 2000-07-14 Precision: NON-SPECIFIC Section: 30 Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 38.8 ac Elevation: 449 ft
Main Source: BURTON, C. 2000 (OBS)
Quad Summary: PRADO DAM (3311786/0878)
County Summary: RIVERSIDE
SNA Summary:
Location: SANTA ANA RIVER, ~0.5 MILE SSW OF W END OF PRADO DAM, 0.3 MILE W OF INTERCHANGE OF HIGHWAYS 91 AND 71, LA SIERRA.
-----Comments-----
Distribution: RIVER DOWNSTREAM OF PRADO DAM, SURROUNDING LAND USE IS PARKS. MAPPED ACCORDING TO MAP PROVIDED.
Ecological: RIPARIAN HABITAT IS GOOD, WILLOWS AND COTTONWOODS, MOSTLY SHADED, BUT THE WATER IS VERY TURBID.
Threat:
General: 1 JUVENILE OBSERVED
Owner/Manager: UNKNOWN

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PRADO DAM

CLEMMYS MARMORATA PALLIDA
SOUTHWESTERN POND TURTLE
Element Code: ARAAD02032

—List Status—	NDDB Element Ranks	Other Lists
Federal: None	Global: G4T2T3	CDFG Status: SC
State: None	State: S2	

Habitat Associations

General: INHABITS PERMANENT OR NEARLY PERMANENT BODIES OF WATER IN MANY HABITAT TYPES; BELOW 6000 FT ELEV.
Micro: REQUIRE BASKING SITES SUCH AS PARTIALLY SUBMERGED LOGS, VEGETATION MATS, OR OPEN MUD BANKS. NEED SUITABLE NESTING SITES.

* SENSITIVE *

Occurrence No. 257	Map Index:	—Dates Last Seen—	Lat/Long: /	Township:
Occ Rank: Unknown		Element: XXXX-XX-XX	UTM:	Range:
Origin: Natural/Native occurrence		Site: XXXX-XX-XX	Precision:	Section: Qtr
Presence: Presumed Extant			Symbol Type:	Meridian:
Trend: Unknown			Radius:	Elevation:
Main Source: HOLLAND, D. 1988 (PERS)				
Quad Summary: YORBA LINDA (3311787/088A)*, PRADO DAM (3311786/087B)				
County Summary: ORANGE, SAN BERNARDINO				
SNA Summary:				
Location: *SENSITIVE* Location information suppressed.				
Comments:				
Distribution: Please contact the California Natural Diversity Database, California Department of Fish and Game, for more information: (916) 324-3812.				
Ecological:				
Threat:				
General:				
Owner/Manager:				

* SENSITIVE *

Occurrence No. 272	Map Index:	—Dates Last Seen—	Lat/Long: /	Township:
Occ Rank: Unknown		Element: 1992-07-05	UTM:	Range:
Origin: Natural/Native occurrence		Site: 1992-07-05	Precision:	Section: Qtr
Presence: Presumed Extant			Symbol Type:	Meridian:
Trend: Unknown			Radius:	Elevation:
Main Source: GOODMAN, R. 1992 (PERS)				
Quad Summary: PRADO DAM (3311786/087B)				
County Summary: RIVERSIDE, SAN BERNARDINO				
SNA Summary:				
Location: *SENSITIVE* Location information suppressed.				
Comments:				
Distribution: Please contact the California Natural Diversity Database, California Department of Fish and Game, for more information: (916) 324-3812.				
Ecological:				
Threat:				
General:				
Owner/Manager:				

For sensitive species locations, contact the CNDDDB at (916) 324-3812, you will be forwarded to the appropriate biologists.

Darlene McGiff 916-322-2494

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PRADO DAM

CNEMIDOPHORUS HYPERYTHRUS
ORANGE-THROATED WHIPTAIL
Element Code: ARACJ02060

—List Status—	—NDDB Element Ranks—	—Other Lists—
Federal: None	Global: G5	CDFG Status: SC
State: None	State: S2	

—Habitat Associations—

General: INHABITS LOW-ELEVATION COASTAL SCRUB, CHAPARRAL, AND VALLEY-FOOTHILL HARDWOOD HABITATS.

Micro: PREFERS WASHES & OTHER SANDY AREAS WITH PATCHES OF BRUSH & ROCKS. PERENNIAL PLANTS NECESSARY FOR ITS MAJOR FOOD-TERMITES

Occurrence No. 141	Map Index: 20501	—Dates Last Seen—	Lat/Long: 33°55'11" / 117°40'01"	Township: 03S
Occ Rank: Pair		Element: XXXX-XX-XX	UTM: Zone-11 N3753259 E438350	Range: 08W
Origin: Natural/Native occurrence		Site: XXXX-XX-XX	Precision: NON-SPECIFIC	Section: 12 Qtr SE
Presence: Presumed Extant			Symbol Type: POINT	Meridian: S
Trend: Unknown			Radius: 1/5 mile	Elevation: 1000 ft
Main Source: BRECHTEL, P. 1983 (OBS)				
Quad Summary: PRADO DAM (3311786/0878)				
County Summary: SAN BERNARDINO				
SNA Summary:				
Location: CHINO HILLS, WEST OF PRADO FLOOD CONTROL BASIN AND SOUTH OF ABACHERLI CANYON.				
Comments:				
Distribution:				
Ecological: GRASSLAND WITH SILYBUM MARIANUM AS DOMINANT PLANT SPECIES.				
Threat: HEAVY GRAZING; WITHIN POWERLINE CORRIDOR STUDY AREA.				
General:				
Owner/Manager: UNKNOWN				

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PRADO DAM

SOUTHERN CALIFORNIA ARROYO CHUB/SANTA ANA SUCKER STREAM

Element Code: CARE2130CA

-----List Status-----
Federal: None
State: None

-----NDDB Element Ranks-----
Global: G?
State: S?

-----Other Lists-----

-----Habitat Associations-----
General: None for this Element
Micro: None for this Element

Occurrence No. 4 Map Index: 25989 ---Dates Last Seen--- Lat/Long: 33°54'53" / 117°38'39" Township: 03S
Occ Rank: Unknown Element: 1991-XX-XX UTM: Zone-11 N3752697 E440446 Range: 07W
Origin: Natural/Native occurrence Site: 1991-XX-XX Precision: NON-SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 2,729.6 ac Elevation: 570 ft
Main Source: SWIFT, C. 1993 (LIT)
Quad Summary: CORONA NORTH (3311785/087A)*, BLACK STAR CANYON (3311776/087C), ORANGE (3311777/088D), RIVERSIDE WEST
(3311784/086B), PRADO DAM (3311786/087B)
County Summary: ORANGE, RIVERSIDE, SAN BERNARDINO
SNA Summary:
Location: SANTA ANA RIVER AND TRIBUTARIES, SAN BERNARDINO, RIVERSIDE AND ORANGE COUNTIES.
-----Comments-----
Distribution: FROM MOUNT RUBIDOUX DOWNSTREAM TO NORTHEASTERN ANAHEIM, INCLUDING TRIBUTARIES CHINO, ALISO AND SUNNYSLOPE
CREEKS.
Ecological: BEST HABITAT FOUND BELOW RIVERSIDE NARROWS WHERE GROUND WATER IS FORCED TO THE SURFACE & FLOWS BECOME MORE
PERENNIAL & STABLE. SANTA ANA SUCKERS AND ARROYO CHUB ARE THE ONLY NATIVE FISH SPECIES THAT STILL OCCUR.
Threat: PREDATION BY SEVERAL NONNATIVE FISH SPP; WATER FLOW CONTROLLED BY PRADO DAM. URBANIZATION & POLLUTION IMPACTS
STREAM.
General:
Owner/Manager: PVT. SANTA ANA RIVER RP

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PRADO DAM

SOUTHERN COTTONWOOD WILLOW RIPARIAN FOREST

Element Code: CTT61330CA

-----List Status-----

-----NDDB Element Ranks-----

-----Other Lists-----

Federal: None

Global: G3

State: None

State: S3.2

-----Habitat Associations-----

General: None for this Element

Micro: None for this Element

Occurrence No. 69 Map Index:03118 ---Dates Last Seen--- Lat/Long: 33°56'16" / 117°34'44" Township: 03S
Occ Rank: Unknown Element: 1985-02-13 UTM: Zone-11 N3755208 E446496 Range: 07W
Origin: Natural/Native occurrence Site: 1985-02-13 Precision: SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 6,402.1 ac Elevation: 610 ft
Main Source: HOLLAND, R. 1988 (MAP)
Quad Summary: RIVERSIDE WEST (3311784/086B)*, CORONA NORTH (3311785/087A), PRADO DAM (3311786/087B)
County Summary: RIVERSIDE, SAN BERNARDINO
SNA Summary: Upper Santa Ana River
Location: SANTA ANA RIVER, FROM THE PRADO FLOOD CONTROL BASIN TO BELOW RUBIDOUX.
-----Comments-----
Distribution: EXTANT, 1985, PER INTERPRETATION OF AERIAL PHOTOS BUT BNDRY CHANGED.
Ecological: MAPPED BY WIESLANDER SURVEY (1935) AS CLOSED CANOPY POPULUS FREMONTII, P. TRICHOCARPA AND SALIX SPP. IN MATRIX WITH SCRUB OF BACCHARIS VIMINEA AND B. EMORYI.
Threat:
General: NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. THIS WAS OCC #069 OF CTT61330CA.
Owner/Manager: PVT, RIV COUNTY

Occurrence No. 70 Map Index:02949 ---Dates Last Seen--- Lat/Long: 33°53'01" / 117°39'09" Township: 03S
Occ Rank: Unknown Element: 1985-02-13 UTM: Zone-11 N3749260 E439671 Range: 07W
Origin: Natural/Native occurrence Site: 1985-02-13 Precision: SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Decreasing Area: 81.4 ac Elevation: 450 ft
Main Source: HOLLAND, R. 1988 (MAP)
Quad Summary: PRADO DAM (3311786/087B)
County Summary: RIVERSIDE
SNA Summary: Wardlow Wash
Location: CONFLUENCE OF WARDLOW WASH & SANTA ANA RIVER BELOW PRADO DAM.
-----Comments-----
Distribution: EXTANT, 1985, BUT BNDRY REDUCED PER INTERPRETATION OF AERIAL PHOTOS.
Ecological: MAPPED BY WIESLANDER SURVEY (1935) AS CLOSED CANOPY SALIX SPP, POPULUS FREMONTII AND P. TRICHOCARPA.
Threat:
General: NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. THIS WAS OCC #070 OF CTT61330CA.
Owner/Manager: DPR-CHINO HILLS SP, PVT

Occurrence No. 77 Map Index:02849 ---Dates Last Seen--- Lat/Long: 33°52'26" / 117°42'01" Township: 03S
Occ Rank: Fair Element: 1985-02-13 UTM: Zone-11 N3748187 E435230 Range: 08W
Origin: Natural/Native occurrence Site: 1988-05-06 Precision: SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Decreasing Area: 374.6 ac Elevation: 375 ft
Main Source: HOLLAND, R. 1988 (MAP)
Quad Summary: BLACK STAR CANYON (3311776/087C)*, PRADO DAM (3311786/087B)
County Summary: ORANGE
SNA Summary:
Location: SANTA ANA CANYON, FROM HORSESHOE BEND TO ABOUT THE COUNTY LINE.
-----Comments-----
Distribution: EXTANT, 1985, BUT BOUNDARY DECREASED PER INTERPRETATION OF AERIAL PHOTOS.
Ecological: MAPPED BY WIESLANDER SURVEY (1935) AS CLOSED CANOPY POPULUS FREMONTII, P. TRICHOCARPA & SALIX SPP. MUCH DISTURBED FOREST W/VARIABLE UNDERSTORY OF DENSE BACCHARIS, SALIX HINDSIANA. ALSO ENCELIA CA, HAPLOPAPPUS VENUSTUS, ERIOG. FASCICULATUM.
Threat:
General: AREAS OF GROOMED PARKLAND INTERSPERSED. FLOOD CONTROL AND CALTRANS HAVE DISTURBED AREA. THIS WAS OCC #077 OF CTT61330CA.
Owner/Manager: PVT, ORA COUNTY

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PRADO DAM

SOUTHERN SYCAMORE ALDER RIPARIAN WOODLAND

Element Code: CTT62400CA

—List Status—
Federal: None
State: None

—NDDB Element Ranks—
Global: G4
State: S4

—Other Lists—

—Habitat Associations—
General: None for this Element
Micro: None for this Element

Occurrence No. 1 Map Index:02863 —Dates Last Seen— Lat/Long: 33°54'57" / 117°42'55"
Occ Rank: Unknown Element: 1986-04-23 UTM: Zone-11 N3752858 E433867 Township: 03S
Origin: Natural/Native occurrence Site: 1986-04-23 Precision: SPECIFIC Range: 08W
Presence: Presumed Extant Symbol Type: POLYGON Section: 15 Qtr E
Trend: Unknown Area: 613.8 ac Meridian: S
Main Source: HOLLAND, R. 1986 (OBS) Elevation: 675 ft
Quad Summary: PRADO DAM (3311786/087B)
County Summary: RIVERSIDE, SAN BERNARDINO
SNA Summary:
Location: BANE CANYON & WATER CANYON, CHINO HILLS STATE PARK.
—Comments—
Distribution: EXTENDING ABOUT 5 MILES. BNDRY PER 1985 AERIAL PHOTO.
Ecological: NARROW BANDS OF PLATANUS RACEMOSA (TO 80 FT TALL). DENSE, ABUNDANT BACCHARIS GLUTINOSA & OCCASIONAL SALIX IN UNDERSTORY. ABUNDANT SYCAMORE RESPROUTS.
Threat:
General: RECOVERING WELL FROM CATTLE GRAZING WHICH WAS TERMINATED JULY 1984 WHEN DPR PURCHASED LAND. THIS WAS OCC #001 OF CTT62400CA.
Owner/Manager: DPR-CHINO HILLS SP

Occurrence No. 177 Map Index:02965 —Dates Last Seen— Lat/Long: 33°52'16" / 117°38'28"
Occ Rank: Unknown Element: 1985-02-13 UTM: Zone-11 N3747842 E440700 Township: 03S
Origin: Natural/Native occurrence Site: 1985-02-13 Precision: SPECIFIC Range: 07W
Presence: Presumed Extant Symbol Type: POLYGON Section: XX Qtr XX
Trend: Unknown Area: 78.4 ac Meridian: S
Main Source: HOLLAND, R. 1988 (MAP) Elevation: 800 ft
Quad Summary: BLACK STAR CANYON (3311776/087C)*, PRADO DAM (3311786/087B)
County Summary: RIVERSIDE
SNA Summary:
Location: LOWER-MIDDLE FRESNO CANYON, N SIDE OF SIERRA PEAK.
—Comments—
Distribution: EXTANT, 1985, PER INTERPRETATION OF AERIAL PHOTOS.
Ecological: MAPPED BY WIESLANDER SURVEY AS OPEN QUERCUS AGRIFOLIA, PLATANUS RACEMOSA, ARTEMISIA CALIFORNICA, SALVIA MELLIPERA AND ERIOGONUM PASCICULATUM.
Threat:
General: NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. THIS WAS OCC #177 OF CTT62400CA.
Owner/Manager: PVT

Occurrence No. 178 Map Index:02900 —Dates Last Seen— Lat/Long: 33°55'58" / 117°40'56"
Occ Rank: Unknown Element: 1985-02-13 UTM: Zone-11 N3754707 E436944 Township: 02S
Origin: Natural/Native occurrence Site: 1985-02-13 Precision: SPECIFIC Range: 08W
Presence: Presumed Extant Symbol Type: POLYGON Section: 01 Qtr XX
Trend: Unknown Area: 52.2 ac Meridian: S
Main Source: HOLLAND, R. 1988 (MAP) Elevation: 680 ft
Quad Summary: PRADO DAM (3311786/087B)
County Summary: SAN BERNARDINO
SNA Summary:
Location: SLAUGHTER CANYON, FROM ABOUT 620 TO 780 FT; W SIDE TRIBUTARY TO PRADO FLOOD CONTROL BASIN.
—Comments—
Distribution: MAPPED PER INTERPRETATION OF AERIAL PHOTOS.
Ecological: UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO
Threat:
General: NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION.
Owner/Manager: PVT

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PRADO DAM

SOUTHERN SYCAMORE ALDER RIPARIAN WOODLAND (cont.)

Element Code: CTT62400CA

-----List Status----- NDDB Element Ranks-----Other Lists-----
Federal: None Global: G4
State: None State: S4

Occurrence No. 179 Map Index: 02972 ---Dates Last Seen--- Lat/Long: 33°52'23" / 117°37'01" Township: 03S
Occ Rank: Unknown Element: 1985-02-13 UTM: Zone-11 N3748065 E442933 Range: 07W
Origin: Natural/Native occurrence Site: 1985-02-13 Precision: SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Decreasing Area: 251.2 ac Elevation: 700 ft
Main Source: HOLLAND, R. 1988 (MAP)
Quad Summary: CORONA SOUTH (3311775/087D)*, BLACK STAR CANYON (3311776/087C), CORONA NORTH (3311785/087A), PRADO DAM
(3311786/087B)
County Summary: RIVERSIDE
SNA Summary:
Location: WARDLOW WASH & UNNAMED INT CRK JUST E OF FRESNO CYN; BELOW PRADO DAM.
Comments:
Distribution: EXTANT, 1985, PER INTERPRETATION OF AERIAL PHOTOS BUT BOUNDARY DECREASED.
Ecological: MAPPED BY WIESLANDER SURVEY AS CLOSED CANOPY QUERCUS AGRIFOLIA, PLATANUS RACEMOSA, ARTEMISIA CALIFORNICA, RHUS
INTEGRIFOLIA, SALVIA MELLIFERA AND ERIOGONUM FASCICULATUM.
Threat:
General: NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. THIS WAS OCC #179 OF CTT62400CA.
Owner/Manager: PVT

Occurrence No. 180 Map Index: 02864 ---Dates Last Seen--- Lat/Long: 33°53'39" / 117°42'02" Township: 03S
Occ Rank: Unknown Element: 1985-02-13 UTM: Zone-11 N3750443 E435217 Range: 08W
Origin: Natural/Native occurrence Site: 1985-02-13 Precision: SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 151.1 ac Elevation: 660 ft
Main Source: HOLLAND, R. 1988 (MAP)
Quad Summary: PRADO DAM (3311786/087B)
County Summary: ORANGE, SAN BERNARDINO
SNA Summary:
Location: BRUSH CANYON, TRIBUTARY TO SANTA ANA CANYON.
Comments:
Distribution: EXTANT, 1985, PER INTERPRETATION OF AERIAL PHOTOS.
Ecological: MAPPED BY WIESLANDER SURVEY AS CLOSED CANOPY QUERCUS AGRIFOLIA AND PLATANUS RACEMOSA.
Threat:
General: NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. THIS WAS OCC #180 OF CTT62400CA.
Owner/Manager: PVT

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PRADO DAM

SOUTHERN WILLOW SCRUB

Element Code: CTT63320CA

-----List Status-----

Federal: None
State: None

-----NDDB Element Ranks-----

Global: G3
State: S2.1

-----Other Lists-----

-----Habitat Associations-----

General: None for this Element
Micro: None for this Element

Occurrence No. 33 Map Index: 02706

Occ Rank: Unknown

Origin: Natural/Native occurrence

Presence: Presumed Extant

Trend: Unknown

Main Source: HOLLAND, R. 1988 (MAP)

Quad Summary: YORBA LINDA (3311787/088A)*, PRADO DAM (3311786/087B)

County Summary: ORANGE, SAN BERNARDINO

SNA Summary: Telegraph Canyon

Location: TELEGRAPH CANYON AND PORTION OF SOQUEL CANYON.

-----Comments-----

Distribution:

Ecological: MAPPED BY WIESLANDER SURVEY AS CLOSED CANOPY Q. AGRIFOLIA U/S, OPEN Q. AGRIFOLIA AND PLATANUS RACEMOSA MIDSTREAM AND SAMBUCUS GLAUCA, NICOTIANA GLAUCA AND SALIX SPP D/S. ENTIRE STRETCH OF SCRUB SCATTERED W/Q. AGRIFOLIA & PLATANUS RACEMOSA.

Threat:

General: NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. THIS WAS OCC #033 OF CTT63320CA.

Owner/Manager: DPR-CHINO HILLS SP, PVT

-----Dates Last Seen-----

Element: 1985-02-13

Site: 1985-02-13

Lat/Long: 33°55'07" / 117°49'22"

UTM: Zone-11 N3753257 E423946

Precision: SPECIFIC

Symbol Type: POLYGON

Area: 448.4 ac

Township: 03S

Range: 09W

Section: XX Qtr XX

Meridian: S

Elevation: 740 ft

PRADO DAM

CALIFORNIA WALNUT WOODLAND

Element Code: CTT71210CA

-----List Status----- NDDB Element Ranks-----Other Lists-----
Federal: None Global: G2
State: None State: S2.1

-----Habitat Associations-----
General: None for this Element
Micro: None for this Element

Occurrence No. 18 Map Index: 02726 ---Dates Last Seen--- Lat/Long: 33°54'57" / 117°45'53" Township: 03S
Occ Rank: Unknown Element: 1986-04-23 UTM: Zone-11 N3752877 E429319 Range: 08W
Origin: Natural/Native occurrence Site: 1986-04-23 Precision: SPECIFIC Section: 07 Qtr S
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 406.1 ac Elevation: 1200 ft
Main Source: HOLLAND, R. 1986 (OBS)
Quad Summary: YORBA LINDA (3311787/088A)*, PRADO DAM (3311786/087B)
County Summary: ORANGE, SAN BERNARDINO
SNA Summary: Telegraph Canyon
Location: TELEGRAPH CANYON, CHINO HILLS STATE PARK, N FACING SLOPE.
-----Comments-----
Distribution: ON FONTANA CLAY LOAM WEATHERED FINE SANDSTONES AND CALCAREOUS SHALES. BOUNDARY PER 1985 AERIAL PHOTO.
Ecological: MAPPED BY WIESLANDER SURVEY. FAIRLY CLOSED CANOPY STAND OF MIXED AND PURE PATCHES OF JUGLANS CALIFORNICA PER 1986 FIELD VISIT. LOW REPRODUCTION MAY INCREASE NOW THAT GRAZING HAS STOPPED.
Threat:
General: LARGE PART BURNED PROBABLY IN AUGUST OF 1985. THIS WAS OCC # 018 OF CTT71210CA.
Owner/Manager: DPR-CHINO HILLS SP, PVT

Occurrence No. 42 Map Index: 02810 ---Dates Last Seen--- Lat/Long: 33°57'01" / 117°43'56" Township: 02S
Occ Rank: Unknown Element: 1985-02-13 UTM: Zone-11 N3756695 E432328 Range: 08W
Origin: Natural/Native occurrence Site: 1985-02-13 Precision: SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 70.1 ac Elevation: 1100 ft
Main Source: HOLLAND, R. 1988 (MAP)
Quad Summary: PRADO DAM (3311786/087B)
County Summary: SAN BERNARDINO
SNA Summary:
Location: 0.5 MI N OF MCDERMONT RANCH, NW CHINO HILLS.
-----Comments-----
Distribution: EXTANT, 1985, AND BOUNDARY INCREASED PER INTERPRETATION OF AERIAL PHOTOS.
Ecological: MAPPED BY WIESLANDER SURVEY AS AS TWO STANDS OF OPEN JUGLANS CALIFORNICA, QUERCUS AGRIFOLIA AND ARTEMISIA CALIFORNICA.
Threat:
General: NEEDS VERIFICATION OF VEGETATION COMPOSITION, CONDITION. THIS WAS OCC #042 OF CTT71210CA.
Owner/Manager: PVT

Occurrence No. 47 Map Index: 02822 ---Dates Last Seen--- Lat/Long: 33°55'22" / 117°43'44" Township: 03S
Occ Rank: Unknown Element: 1985-02-13 UTM: Zone-11 N3753648 E432620 Range: 08W
Origin: Natural/Native occurrence Site: 1985-02-13 Precision: SPECIFIC Section: 09 Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 101.7 ac Elevation: 1100 ft
Main Source: HOLLAND, R. 1988 (MAP)
Quad Summary: PRADO DAM (3311786/087B)
County Summary: SAN BERNARDINO
SNA Summary: Telegraph Canyon
Location: UPPER PORTION OF UNNAMED TRIBUTARY TO ALISO CYN, JUST N OF SAN JUAN HILL, CHINO HILLS.
-----Comments-----
Distribution: EXTANT, 1985, BUT BOUNDARY CHANGED PER INTERPRETATION OF AERIAL PHOTOS.
Ecological: MAPPED BY WIESLANDER SURVEY AS CLOSED CANOPY JUGLANS CALIFORNICA AND QUERCUS AGRIFOLIA.
Threat:
General: NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. THIS WAS OCC #047 OF CTT71210CA.
Owner/Manager: DPR-CHINO HILLS SP, PVT

PRADO DAM

CALIFORNIA WALNUT WOODLAND (cont.)

Element Code: CTT71210CA

—List Status—
Federal: None
State: None

—NDDB Element Ranks—
Global: G2
State: S2.1

—Other Lists—

Occurrence No. 48 Map Index:02817 —Dates Last Seen— Lat/Long: 33°55'55" / 117°43'47" Township: 03S
Occ Rank: Unknown Element: 1985-02-13 UTM: Zone-11 N3754652 E432552 Range: 08W
Origin: Natural/Native occurrence Site: 1985-02-13 Precision: SPECIFIC Section: 09 Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 72.2 ac Elevation: 1100 ft
Main Source: HOLLAND, R. 1988 (MAP)
Quad Summary: PRADO DAM (3311786/087B)
County Summary: SAN BERNARDINO
SNA Summary: Telegraph Canyon
Location: UPPER PORTION OF UNNAMED TRIBUTARY TO ALISO CYN, APPROX 1 MI N OF SAN JUAN HILL.
—Comments—
Distribution:
Ecological: MAPPED BY WIESLANDER SURVEY AS JUGLANS CALIFORNICA, QUERCUS AGRIFOLIA AND ARTEMISIA CALIFORNICA.
Threat:
General: THIS WAS OCC #048 OF CTT71210CA.
Owner/Manager: DPR-CHINO HILLS SP, PVT

Occurrence No. 49 Map Index:02785 —Dates Last Seen— Lat/Long: 33°57'20" / 117°44'37" Township: 02S
Occ Rank: Unknown Element: 1985-02-13 UTM: Zone-11 N3757286 E431303 Range: 08W
Origin: Natural/Native occurrence Site: 1985-02-13 Precision: SPECIFIC Section: 32 Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 135.6 ac Elevation: 1100 ft
Main Source: HOLLAND, R. 1988 (MAP)
Quad Summary: PRADO DAM (3311786/087B)*, YORBA LINDA (3311787/088A)
County Summary: SAN BERNARDINO
SNA Summary:
Location: ALONG SOQUEL CANYON ROAD, SW OF LOS SERRANOS.
—Comments—
Distribution: EXTANT, 1985, BUT BOUNDARY INCREASED PER INTERPRETATION OF AERIAL PHOTOS.
Ecological: MAPPED BY WIESLANDER SURVEY AS CLOSED CANOPY JUGLANS CALIFORNICA AND QUERCUS AGRIFOLIA.
Threat:
General: NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. THIS WAS OCC #049 OF CTT71210CA.
Owner/Manager: PVT

Occurrence No. 64 Map Index:20632 —Dates Last Seen— Lat/Long: 33°54'50" / 117°43'06" Township: 03S
Occ Rank: Unknown Element: 1983-05-11 UTM: Zone-11 N3752657 E433583 Range: 08W
Origin: Natural/Native occurrence Site: 1983-05-11 Precision: SPECIFIC Section: 16 Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 151.7 ac Elevation: 1200 ft
Main Source: GRAY, K. 1983 (LIT)
Quad Summary: PRADO DAM (3311786/087B)
County Summary: ORANGE, SAN BERNARDINO
SNA Summary:
Location: CHINO HILLS STATE PARK.
—Comments—
Distribution: WATER CANYON AND ITS TRIBUTARY IN VICINITY OF SAN JUAN HILL.
Ecological: JUGLANS CALIFORNICA, QUERCUS AGRIFOLIA, SOME PLATANUS RACEMOSA W/ UNDERSTORY OF HETEROMELES ARBUTIFOLIA, TOXICODENDRON DIVERSILOBUM, RIBES, ROSA, RUBUS & LONICERA. DRYOPTERIS, ADIANTUM, MIMULUS AURANTIACUS, PHOLISTOMA, ELYMUS CONDENSATUS.
Threat: FIRE EXCLUSION, HYBRIDIZATION WITH OTHER WALNUT SPECIES (ROYE, 1991). THIS WAS OCC #064 OF CTT71210CA.
General: PHASE HERE TERMED CALIFORNIA WALNUT-COAST LIVE OAK WOODLAND PHASE BY GRAY. RELATIVE DOM. WALNUTS/OAKS UNKNOWN, NEEDS FIELD INVESTIGATION. MOISTURE AVAILABILITY MAJOR LIMITING FACTOR LOCAL RANGE OF PHASE. SCRUB OAKS, GRASSLANDS BORDER.
Owner/Manager: DPR-CHINO HILLS SP

PRADO DAM

CALIFORNIA WALNUT WOODLAND (cont.)

Element Code: CTT71210CA

—List Status—
Federal: None
State: None

—NDDP Element Ranks—
Global: G2
State: S2.1

—Other Lists—

Occurrence No. 65 Map Index: 20633 —Dates Last Seen— Lat/Long: 33°54'21" / 117°42'56" Township: 03S
Occ Rank: Unknown Element: 1983-05-11 UTM: Zone-11 N3751749 E433850 Range: 08W
Origin: Natural/Native occurrence Site: 1983-05-11 Precision: SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 74.0 ac Elevation: 1200 ft
Main Source: GRAY, K. 1983 (LIT)
Quad Summary: PRADO DAM (3311786/087B)
County Summary: ORANGE, SAN BERNARDINO
SNA Summary:
Location: CHINO HILLS STATE PARK.
Comments:
Distribution: BRUSH CANYON AND ITS TRIBUTARY IN VICINITY OF SAN JUAN HILL. THIS WAS OCC #065 OF CTT71210CA.
Ecological: JUGLANS CALIFORNICA, QUERCUS AGRIFOLIA, SOME PLATANUS RACEMOSA W/ UNDERSTORY OF HETEROMELES ARBUTIFOLIA, TOXICODENDRON DIVERSILOBUM, RIBES, ROSA, RUBUS & LONICERA. DRYOPTERIS, ADIANTUM, MIMULUS AURANTIACUS, PHOLISTOMA, ELYMUS CONDENSATUS.
Threat: FIRE EXCLUSION, HYBRIDIZATION WITH OTHER WALNUT SPECIES (ROYE, 1991)
General: PHASE HERE TERMED CALIFORNIA WALNUT-COAST LIVE OAK WOODLAND PHASE BY GRAY. RELATIVE DOM. WALNUTS/OAKS UNKNOWN, NEEDS FIELD STUDY. MOISTURE AVAILABILITY MAJOR LIMITING FACTOR LOCAL RANGE OF PHASE. SCRUB OAKS, GRASSLANDS BORDER.
Owner/Manager: DPR-CHINO HILLS SP

Occurrence No. 66 Map Index: 20635 —Dates Last Seen— Lat/Long: 33°54'13" / 117°43'25" Township: 03S
Occ Rank: Unknown Element: 1983-05-11 UTM: Zone-11 N3751509 E433102 Range: 08W
Origin: Natural/Native occurrence Site: 1983-05-11 Precision: SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 7.4 ac Elevation: 1400 ft
Main Source: GRAY, K. 1983 (LIT)
Quad Summary: PRADO DAM (3311786/087B)
County Summary: ORANGE
SNA Summary:
Location: CHINO HILLS STATE PARK.
Comments:
Distribution: WIRE CANYON, SMALL STAND. WOODLAND MAY CONTINUE DOWNSTREAM OF UNIT. NEEDS FIELD STUDY. THIS WAS OCC #066 OF CTT71210CA.
Ecological: JUGLANS CALIFORNICA, QUERCUS AGRIFOLIA, SOME PLATANUS RACEMOSA W/ UNDERSTORY OF HETEROMELES ARBUTIFOLIA, TOXICODENDRON DIVERSILOBUM, RIBES, ROSA, RUBUS & LONICERA. DRYOPTERIS, ADIANTUM, MIMULUS AURANTIACUS, PHOLISTOMA, ELYMUS CONDENSATUS.
Threat: FIRE EXCLUSION, HYBRIDIZATION WITH OTHER WALNUT SPECIES (ROYE, 1991).
General: PHASE HERE TERMED CALIFORNIA WALNUT-COAST LIVE OAK WOODLAND PHASE BY GRAY. RELATIVE DOM. WALNUTS/OAKS UNKNOWN, NEEDS FIELD STUDY. MOISTURE AVAILABILITY MAJOR LIMITING FACTOR LOCAL RANGE OF PHASE. SCRUB OAKS, GRASSLANDS BORDER.
Owner/Manager: DPR-CHINO HILLS SP

Occurrence No. 67 Map Index: 20634 —Dates Last Seen— Lat/Long: 33°53'57" / 117°42'54" Township: 03S
Occ Rank: Unknown Element: 1983-05-11 UTM: Zone-11 N3751014 E433902 Range: 08W
Origin: Natural/Native occurrence Site: 1983-05-11 Precision: SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 20.7 ac Elevation: 1400 ft
Main Source: GRAY, K. 1983 (LIT)
Quad Summary: PRADO DAM (3311786/087B)
County Summary: ORANGE
SNA Summary:
Location: CHINO HILLS STATE PARK.
Comments:
Distribution: NEAR HEAD OF LOST TROUGH CANYON. THIS WAS OCC #067 OF CTT71210CA.
Ecological: JUGLANS CALIFORNICA, QUERCUS AGRIFOLIA, SOME PLATANUS RACEMOSA W/ UNDERSTORY OF HETEROMELES ARBUTIFOLIA, TOXICODENDRON DIVERSILOBUM, RIBES, ROSA, RUBUS, LONICERA, DRYOPTERIS, ADIANTUM, MIMULUS AURANTIACUS, PHOLISTOMA, ELYMUS CONDENSATUS.
Threat: FIRE EXCLUSION, HYBRIDIZATION WITH OTHER WALNUT SPECIES (ROYE, 1991)
General: TERMED CALIFORNIA WALNUT-COAST LIVE OAK WOODLAND PHASE BY GRAY, 1983. RELATIVE DOMINANCE WALNUTS/OAKS UNKNOWN, FIELD STUDY NEEDED. MOISTURE AVAILABILITY MAJOR LIMITING FACTOR OF LOCAL RANGE OF PHASE. BORDERED BY GRASSLAND, SCRUB OAKS.
Owner/Manager: DPR-CHINO HILLS SP

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PRADO DAM

ATRIPLEX COULTERI

COULTER'S SALTBUSH

Element Code: PDCHE040E0

—List Status—

Federal: None

State: None

—NDDS Element Ranks—

Global: G2

State: S2.2

—Other Lists—

CNPS List: 1B

R-E-D Code: 2-2-2

—Habitat Associations—

General: COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro: OCEAN BLUFFS, RIDGETOPS, AS WELL AS ALKALINE LOW PLACES. 10-440M.

Occurrence No. 14 Map Index: 27621

Occ Rank: Unknown

Origin: Natural/Native occurrence

Presence: Presumed Extant

Trend: Unknown

Main Source: JOHNSTON #1275 UC #217010 (HERB)

Quad Summary: PRADO DAM (3311786/087B)

County Summary: SAN BERNARDINO

SNA Summary:

Location: CHINO CREEK, SOUTH OF ONTARIO.

Comments:

Distribution:

Ecological: DAMP PASTURE.

Threat:

General: ORIGINAL LABEL WAS ATRIPLEX MICROCARPA, ANNT TO A. COULTERI.

Owner/Manager: UNKNOWN

—Dates Last Seen—

Element: 1917-05-30

Site: 1917-05-30

Lat/Long: 33°58'46" / 117°41'33"

UTM: Zone-11 N3759897 E436024

Precision: NON-SPECIFIC

Symbol Type: POLYGON

Area: 260.0 ac

Township: 02S

Range: 08W

Section: XX Qtr XX

Meridian: S

Elevation: 40 ft

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PRADO DAM

DUDLEYA MULTICAULIS

MANY-STEMMED DUDLEYA

Element Code: PDCRA040H0

—List Status—

Federal: None

State: None

NDDB Element Ranks

Global: G2

State: S2.1

Other Lists

CNPS List: 1B

R-E-D Code: 1-2-3

—Habitat Associations—

General: CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND. ENDEMIC TO SOUTHERN CALIFORNIA.

Micro: IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 0-790M.

Occurrence No. 12 Map Index: 02943 —Dates Last Seen— Lat/Long: 33°53'33" / 117°39'26" Township: 03S
Occ Rank: Unknown Element: 1983-08-09 UTM: Zone-11 N3750226 E439222 Range: 07W
Origin: Natural/Native occurrence Site: 1983-08-09 Precision: SPECIFIC Section: 19 Qtr SW
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Decreasing Area: 9.1 ac Elevation: 800 ft
Main Source: BOYD, S. 1983 (OBS)
Quad Summary: PRADO DAM (3311786/087B)
County Summary: SAN BERNARDINO
SNA Summary: Wardlow Wash
Location: ABOUT 0.8 MILE WEST OF PRADO DAM AND 0.25 MILE NORTH OF SBD-RIV CO LINE, NORTH SIDE SANTA ANA CANYON, CHINO HILLS.
—Comments—
Distribution: WEST-FACING SLOPE ABOUT 0.3 MILE UP UNNAMED CANYON TRIBUTARY TO SANTA ANA CANYON. ABOUT 0.5 MILE NW OF OWL GRAVEL PIT IN NE 1/4 OF SW 1/4 SECTION 19.
Ecological: ON STEEP SLOPES OF NARROW CANYON ON THIN LAYERS OF SOIL ON SEDIMENTARY SUBSTRATE. ANNUAL GRASSLAND AND DISTURBED CHAPARRAL. ASSOCIATED WITH KECKIELLA ANTIRRHINOIDES, RHUS INTEGRIFOLIA, POLYPODIUM CALIFORNICUM, AND ERIOGONUM FASCICULATUM.
Threat: THREATS ARE GRAZING AND INVASION BY WEEDY ANNUAL GRASSES.
General: LESS THAN 100 PLANTS IN 1983.
Owner/Manager: PVT

Occurrence No. 13 Map Index: 02936 —Dates Last Seen— Lat/Long: 33°53'57" / 117°39'38" Township: 03S
Occ Rank: Unknown Element: 1983-07-21 UTM: Zone-11 N3750963 E438930 Range: 07W
Origin: Natural/Native occurrence Site: 1983-07-21 Precision: SPECIFIC Section: 19 Qtr NW
Presence: Presumed Extant Symbol Type: POINT Meridian: S
Trend: Unknown Radius: 80 meters Elevation: 800 ft
Main Source: BOYD, S. & F. BRECHTEL 1983 (OBS)
Quad Summary: PRADO DAM (3311786/087B)
County Summary: SAN BERNARDINO
SNA Summary: Wardlow Wash
Location: ABOUT 1.1 MILES WNW OF PRADO DAM AND 0.7 MILE NORTH OF SBD-RIV CO LINE, NORTH SIDE SANTA ANA CANYON, CHINO HILLS.
—Comments—
Distribution: ERODED EDGE OF RIDGE ABOUT 0.1 MILE NORTH OF PIPELINE AND 0.85 MILE WEST OF CORONA FREEWAY (71 FREEWAY) SW 1/4 OF NW 1/4 SECTION 19.
Ecological: ON EXPOSED RIDGE ALONG ROAD ON MARINE SEDIMENTS. COASTAL SAGE SCRUB/DISTURBED ANNUAL GRASSLAND.
Threat: THREATS INCLUDE ROADCUT, GRAZING AND LOCATION WITHIN POWERLINE CORRIDOR STUDY AREA.
General: FEWER THAN 50 PLANTS IN 1983.
Owner/Manager: PVT

Occurrence No. 14 Map Index: 02942 —Dates Last Seen— Lat/Long: 33°52'33" / 117°39'29" Township: 03S
Occ Rank: Unknown Element: 1966-05-10 UTM: Zone-11 N3748389 E439139 Range: 07W
Origin: Natural/Native occurrence Site: 1966-05-10 Precision: NON-SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POINT Meridian: S
Trend: Unknown Radius: 1/5 mile Elevation: 600 ft
Main Source: PRENTISS, C. SN UCR (HERB)
Quad Summary: PRADO DAM (3311786/087B)*, BLACK STAR CANYON (3311776/087C)
County Summary: RIVERSIDE
SNA Summary:
Location: SANTA ANA CYN, 300 YDS S OF RIVERSIDE-NEWPORT FWY, ONE MI E OF ORANGE CO LINE.
—Comments—
Distribution:
Ecological: ON GRASSY, DRY NORTH SLOPE.
Threat:
General:
Owner/Manager: PVT

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PRADO DAM

ABRONIA VILLOSA VAR AURITA
CHAPARRAL SAND-VERBENA
Element Code: PDNYC010P1

—List Status—	—NDDB Element Ranks—	—Other Lists—
Federal: None	Global: G5T3	CNPS List: 1B
State: None	State: S3.1	R-E-D Code: 2-3-3

—Habitat Associations—
General: CHAPARRAL, COASTAL SCRUB
Micro: SANDY AREAS. 80-1600M.

Occurrence No. 27	Map Index: 45059	—Dates Last Seen—	Lat/Long: 33°52'11" / 117°45'28"	Township: 03S
Occ Rank: None		Element: 1931-07-01	UTM: Zone-11 N3747793 E429901	Range: 08W
Origin: Natural/Native occurrence		Site: 1931-07-01	Precision: NON-SPECIFIC	Section: 31 Qtr XX
Presence: Extirpated			Symbol Type: POINT	Meridian: S
Trend: Unknown			Radius: 1 mile	Elevation: 250 ft
Main Source: WOLF, C. #2259 RSA #3226 (HERB)				
Quad Summary: ORANGE (3311777/088D)*, BLACK STAR CANYON (3311776/087C), PRADO DAM (3311786/087B), YORBA LINDA (3311787/088A)				
County Summary: ORANGE				
SNA Summary:				
Location: AIWOOD, LOWER END OF SANTA ANA CANYON.				
Comments:				
Distribution: EXACT LOCATION UNKNOWN, MAPPED AS BEST GUESS AT LOWER END OF SANTA ANA CANYON BY CNDDDB. THIS OCCURRENCE COULD BE THE SAME AS OCC 28?				
Ecological:				
Threat: ALTERED FLOOD REGIME, HERBICIDE APPLICATION.				
General: EXTIRPATED.				
Owner/Manager: UNKNOWN				

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PRADO DAM

ERIASTRUM DENSIFOLIUM SSP SANCTORUM

SANTA ANA RIVER WOOLLYSTAR

Element Code: PDPLM03035

—List Status—

Federal: Endangered

State: Endangered

—NDDB Element Ranks—

Global: G4T1

State: S1.1

—Other Lists—

CNPS List: 18

R-E-D Code: 3-3-3

—Habitat Associations—

General: COASTAL SCRUB, CHAPARRAL. FORMERLY KNOWN FROM ORANGE AND SAN BERNARDINO CO'S; NOW KNOWN FROM ONE EXTENDED POPULATION.
Micro: IN SANDY SOILS ON RIVER FLOODPLAINS OR TERRACED FLUVIAL DEPOSITS. 150-610M.

Occurrence No. 2 Map Index: 02802

Occ Rank: None

Origin: Natural/Native occurrence

Presence: Possibly Extirpated

Trend: Unknown

Main Source: MARSH, G. ND (PERS)

Quad Summary: BLACK STAR CANYON (3311776/087C)*, ORANGE (3311777/088D), PRADO DAM (3311786/087B), YORBA LINDA (3311787/088A)

County Summary: ORANGE

SNA Summary:

Location: BLACK STAR CANYON QUADRANGLE, POSSIBLY NEAR JCT OF WEIR CYN RD & RIVERSIDE FREEWAY.

—Comments—

Distribution:

Ecological:

Threat:

General:

Owner/Manager: PVT

—Dates Last Seen—

Element: 1927-08-13

Site: XXXX-XX-XX

Lat/Long: 33°51'53" / 117°44'17"

UTM: Zone-11 N3747207 E431732

Precision: NON-SPECIFIC

Symbol Type: POINT

Radius: 1 mile

Township: 03S

Range: 08W

Section: XX Qtr XX

Meridian: S

Elevation: 500 ft

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Natural Diversity Data Base

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PRADO DAM

CALOCHORTUS WEEDII VAR INTERMEDIUS

INTERMEDIATE MARIPOSA LILY

Element Code: PMLI0DLJ1

-----List Status-----

Federal: None

State: None

-----NDDB Element Ranks-----

Global: G3T2

State: S2.2

-----Other Lists-----

CNPS List: 1B

R-E-D Code: 2-2-3

-----Habitat Associations-----

General: COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro: DRY, ROCKY OPEN SLOPES AND ROCK OUTCROPS. 120-850M.

Occurrence No. 15 Map Index: 27622 ---Dates Last Seen--- Lat/Long: 33°53'02" / 117°44'16" Township: 03S
Occ Rank: Unknown Element: 1977-06-15 UTM: Zone-11 N3749347 E431782 Range: 08W
Origin: Natural/Native occurrence Site: 1977-06-15 Precision: NON-SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POINT Meridian: S
Trend: Unknown Radius: 3/5 mile Elevation: 600 ft
Main Source: TILFORTH, C. #1344 RSA #271148 (HERB)
Quad Summary: PRADO DAM (3311786/087B)
County Summary: ORANGE
SNA Summary:
Location: AREA OF HORSESHOE BEND, SANTA ANA CANYON, NORTHEAST ORANGE COUNTY.
-----Comments-----
Distribution: REPORTED TO BE "SCATTERED IN MANY LOCALITIES... (ON) RANCHO SANTA ANA PROPERTY." COLLECTION BY HOWELL FROM
"HILLS ON NORTH SIDE ON SANTA ANA CANYON, 340M ALT" IS ALSO ATTRIBUTED TO THIS SITE.
Ecological:
Threat:
General: REPORTED FROM TWO COLLECTIONS; TILFORTH IN 1977 AND HOWELL #2572 (CA TYPE, NY) IN 1927.
Owner/Manager: UNKNOWN